

## QUALITY OF SURFACE WATER

## LAKE TAHOE BASIN

Water-quality measurements in the following table were made in cooperation with the Tahoe Regional Planning Agency to determine the effectiveness of the prohibition of carbureted 2-stroke engines in the Lake Tahoe Basin. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data."

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Station name	Date	Time	Sample type	Sam- pling depth, meters (00098)	Trans- parency Secchi disc. meters (00078)
103366082	ECHO CREEK AT OUTLET NEAR PHILLIPS CA	10-15-03	0930	Environmental	--	--
		10-15-03	0931	<b>Laboratory Replicate</b>	--	--
		10-15-03	0932	<b>Laboratory Replicate</b>	--	--
10336626	TAYLOR CREEK NEAR CAMP RICHARDSON CA	10-15-03	1110	Environmental	--	--
		10-15-03	1111	<b>Laboratory Replicate</b>	--	--
10336715	MARLETTE CREEK NEAR CARSON CITY, NV	10-21-03	1100	Environmental	--	--
		10-21-03	1101	<b>Laboratory Replicate</b>	--	--
		10-21-03	1110	Environmental	--	--
		10-21-03	1112	<b>Laboratory Replicate</b>	--	--
385023120032501	LOWER ECHO LAKE SAMPLE SITE NEAR CENTER	10-20-03	0930	Environmental	1.0	7.50
		10-20-03	0945	Environmental	16.0	7.50
		10-22-03	1008	<b>Equipment Blank</b>	--	--
		10-22-03	1018	<b>Laboratory Replicate</b>	--	--
		10-22-03	1019	<b>Laboratory Replicate</b>	--	--
385356120035001	FALLEN LEAF LAKE SAMPLE SITE 1	10-20-03	1150	Environmental	1.0	14.5
		10-20-03	1152	<b>Laboratory Replicate</b>	--	--
		10-20-03	1210	Environmental	25.0	14.5
		10-20-03	1211	<b>Laboratory Replicate</b>	--	--
		10-20-03	1212	<b>Laboratory Replicate</b>	--	--
390625119542801	SPOONER LAKE SAMPLE SITE NEAR CENTER	10-14-03	1100	Environmental	1.0	1.50
391033119540301	MARLETTE LAKE SAMPLE SITE NEAR CENTER	10-14-03	1120	Environmental	2.5	1.50
		10-21-03	1000	Environmental	1.0	4.00
		10-21-03	1001	<b>Laboratory Replicate</b>	--	--
		10-21-03	1002	<b>Laboratory Replicate</b>	--	--
		10-21-03	1010	Environmental	1.0	4.00
		10-21-03	1012	<b>Laboratory Replicate</b>	--	--
		10-21-03	1030	Environmental	5.0	4.00

## QUALITY OF SURFACE WATER

LAKE TAHOE BASIN—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Tur-bidity, water, unfltrd field, NTU (61028)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxy-gen, mg/L (00300)	Dis-solved oxy-gen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif.- conduc-tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	<sup>1</sup> Nitrite + nitrate water fltrd, mg/L as N (00631)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)
10-15-03	.2	584	7.0	78	7.8	17	11.0	8.5	.09	.005	.010	.001	.004
<i>10-15-03</i>	--	--	--	--	--	--	--	--	--	.005	--	--	--
10-15-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-15-03	.9	606	7.5	88	7.3	20	17.5	12.1	.08	.003	.003	.001	.006
<i>10-15-03</i>	--	--	--	--	--	--	--	--	--	.004	--	--	--
10-21-03	1.4	581	7.0	79	7.6	55	23.0	8.5	.12	.001	.038	.002	.008
<i>10-21-03</i>	--	--	--	--	--	--	--	--	--	.001	--	--	--
10-21-03	1.4	581	7.0	79	7.6	55	23.0	8.5	.17	.002	.038	.003	.009
10-21-03	--	--	--	--	--	--	--	--	--	.012	--	--	--
10-20-03	.5	588	9.8	117	9.0	7	14.5	11.4	.10	.009	.007	.001	.004
10-20-03	.4	588	7.7	85	7.0	7	14.5	8.4	.11	.001	.002	.001	.004
10-22-03	--	--	--	--	--	--	--	--	.04	.005	.003	.001	.001
10-22-03	--	--	--	--	--	--	--	--	.01	.001	.001	.001	.002
<i>10-22-03</i>	--	--	--	--	--	--	--	--	--	--	.001	--	--
10-20-03	.3	611	9.1	110	8.2	19	20.5	13.9	.08	.003	.004	.001	.003
10-20-03	--	--	--	--	--	--	--	--	.25	--	--	--	--
10-20-03	.2	611	10.4	106	7.5	19	20.5	6.6	.08	.003	.002	.001	.008
<i>10-20-03</i>	--	--	--	--	--	--	--	--	.12	--	--	--	--
10-20-03	--	--	--	--	--	--	--	--	--	.042	--	--	--
10-14-03	5.5	586	7.7	91	8.3	476	17.0	10.9	.45	.006	.002	.001	.015
10-14-03	12	586	5.4	64	8.4	482	17.0	10.8	.62	.001	.002	.001	.040
10-21-03	3.2	581	8.8	106	6.7	43	16.0	11.4	.37	.015	.007	.001	.014
<i>10-21-03</i>	--	--	--	--	--	--	--	--	--	--	--	--	--
10-21-03	--	--	--	--	--	--	--	--	--	--	.011	--	--
10-21-03	1.6	581	8.8	106	6.7	43	16.0	11.4	.37	.017	.006	.001	.014
<i>10-21-03</i>	--	--	--	--	--	--	--	--	--	--	--	--	--
10-21-03	1.8	581	8.4	101	6.4	43	16.0	11.4	.32	.016	.007	.001	.017
Iron (bio reac- tive), water, unfltrd ug/L (46568)													
Suspnd. sedimen- tation, sieve size unfltrd <.063mm (70331)													
Sus-pend- ed sedimen- tation percent mg/L (80154)													
10-15-03			39		50		.0						
<i>10-15-03</i>			--		--		--						
10-15-03			88		--		--						
10-15-03			25		56		1						
<i>10-15-03</i>			--		--		--						
10-21-03			284		50		2						
<i>10-21-03</i>			--		--		--						
10-21-03			280		--		--						
10-21-03			--		--		--						
10-20-03			17		--		--						
10-20-03			21		--		--						
10-22-03			ND		--		--						
10-22-03			ND		--		--						
<i>10-22-03</i>			--		--		--						
10-20-03			8		--		--						
10-20-03			--		--		--						
10-20-03			--		--		--						
10-20-03			995		--		--						
10-14-03			--		--		--						
<i>10-21-03</i>			296		--		--						
<i>10-21-03</i>			296		--		--						
10-21-03			--		--		--						
10-21-03			299		--		--						
10-21-03			342		--		--						
10-21-03			303		--		--						

<sup>1</sup> Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.